

Final 1998 Section 303(d) List -WRIA 13

Water Name	AYER (ELWANGER) CREEK		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	XR83PB	Old Segment ID #	WA-13-1015
Stream Route #	2.997	Water Resource Inventory Area	13
Township	17N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	07	Grid Longitude	
Basis for Consideration of Listing	Four excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.		
Remarks			

Water Name	AYER (ELWANGER) CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	XR83PB	Old Segment ID #	WA-13-1015
Stream Route #	2.997	Water Resource Inventory Area	13
Township	17N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	07	Grid Longitude	
Basis for Consideration of Listing	Six excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.		
Remarks			

Water Name	AYER (ELWANGER) CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	XR83PB	Old Segment ID #	WA-13-1015
Stream Route #	2.997	Water Resource Inventory Area	13
Township	17N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	07	Grid Longitude	
Basis for Consideration of Listing	Sixteen excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995 off Sienna Court.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Anthracene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Benz(a)anthracene	Mediu	Tissue
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Norton, 1986. , excursions beyond the criterion in edible shellfish tissue.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Chrysene	Mediu	Tissue
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Norton, 1986. , excursions beyond the criterion in edible shellfish tissue.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Fluorene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the Port of Olympia Log Export Terminal identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BUDD INLET (INNER)		
Parameter	Acenaphthene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the Port of Olympia Log Export Terminal identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BUDD INLET (INNER)		
Parameter	PCB-1254	Mediu	Tissue
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8E9
Range		Grid Latitude	47.045
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Johnson and Davis, 1996. , excursion beyond the National Toxics Rule criterion (PCB-1254) calculated for tissue in mussel samples collected in 1995 from the head of East Bay at the culvert at the mouth of Moxlie Creek.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Fluoranthene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the Port of Olympia Log Export Terminal identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BUDD INLET (INNER)		
Parameter	PAHs	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Laundau and Associates, 1993a. , excursions beyond the criterion in sediment.		
Remarks	The confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) have not been applied to the cited data. As such, these stations are not in violation of the standards until this confirmatory designation process for site identification has been completed. This information should not be used for listing the segment based solely on samples that exceed the chemical criteria until the confirmed as sites according to the standards.		

Water Name	BUDD INLET (INNER)		
Parameter	Acenaphthene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Fluorene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Phenanthrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Naphthalene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	2 excursions beyond the criterion out of 22 samples (9%) at Ecology ambient monitoring station BUD002 between 9/91 and 9/96.;		
Remarks	<p>The information does not meet the Water Quality Program Policy for listing.;</p> <p>These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 4/95 judgement of Jan Newton (Dept. of Ecology).</p>		

Water Name	BUDD INLET (INNER)		
Parameter	Fluoranthene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9J1
Range		Grid Latitude	47.095
Section		Grid Longitude	122.915
Basis for Consideration of Listing	1 excursion beyond the criterion out of 60 samples (2%) at Ecology ambient monitoring station BUD005 between 9/91 and 9/96.		
Remarks	The most recent data collected show that the segment does not meet the Water Quality program policy for listing. Previously listed based on the following reports:. URS, 1985.;URS, 1986.; URS and Evans-Hamilton, 1986.		

Water Name	BUDD INLET (INNER)		
Parameter	Benz(a)anthracene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Chrysene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	0 excursions beyond the criterion out of 11 samples (0%) at Ecology ambient monitoring station BUD002 between 9/91 and 9/96.; Listed in 1996 based on 3 excursions beyond the criterion at Ecology ambient monitoring station BUD002 on 5/27/86, 8/18/86, and 6/6/88.		
Remarks	The segment now meets Water Quality standards for pH.		

Water Name	BUDD INLET (INNER)		
Parameter	Benzo(ghi)perylene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Indeno(1,2,3-cd)pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Benzo(a)pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Benzo(b,k)fluoranthenes	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Dibenz(a,h)anthracene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Acenaphthylene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Zinc	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	2-Methylnaphthalene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Indeno(1,2,3-c,d)pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Copper	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Zinc	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Naphthalene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Acenaphthylene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Acenaphthene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Fluorene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Phenanthrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Anthracene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Fluoranthene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Benz(a)anthracene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Bis(2-ethylhexyl) Phthalate	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the Port of Olympia Log Export Terminal identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BUDD INLET (INNER)		
Parameter	Benzo(a)pyrene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Chromium	Mediu	Sediment
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Benzo(g,h,i)perylene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Bis(2-ethylhexyl) Phthalate	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Dibenzofuran	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the Port of Olympia Log Export Terminal identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BUDD INLET (INNER)		
Parameter	Benzo(b)fluorene	Mediu	Tissue
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Norton, 1986. , excursions beyond the criterion in edible shellfish tissue.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Benzo(k)fluorene	Mediu	Tissue
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Norton, 1986. , excursions beyond the criterion in edible shellfish tissue.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Chrysene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	2 excursions beyond the criterion out of 22 samples (9%) at Ecology ambient monitoring station BUD002 between 9/91 and 9/96.; URS, 1985.;URS, 1986.; URS and Evans-Hamilton, 1986.		
Remarks	Using the most recently collected data, the information does not meet the Water Quality Program Policy for listing.; TMDL submitted on 3/9/92...EPA determined that the TMDL was incomplete on 2/12/93.;		

Water Name	BUDD INLET (INNER)		
Parameter	Total Nitrogen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9G0
Range		Grid Latitude	47.065
Section		Grid Longitude	122.905
Basis for Consideration of Listing	URS, 1985.; URS, 1986.; URS and Evans-Hamilton, 1986.		
Remarks	<p>Excessive productivity in the bay is controlled by nitrogen, which has an effect on the dissolved oxygen in the bay. There are no numeric the criterion in the water quality standards to evaluate for total nitrogen. . There is not any information on human-caused impacts to designated uses to support a listing based on the interpretation of the narrative water quality standards per the Water Quality Program Policy.</p> <p>TMDL submitted on 3/9/92; EPA determined that the TMDL was incomplete on 2/12/93.;</p> <p>The old data (1985-1986) do not represent current conditions and the segment should not be listed based on these data per the 8/97 judgement of Dept. of Ecology SWRO staff. Recent data collected by Evans-Hamilton verify that the significant upgrades to sewage treatment plants have improved the water quality.</p>		

Water Name	BUDD INLET (INNER)		
Parameter	Fecal Coliform	Medium	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9JI
Range		Grid Latitude	47.095
Section		Grid Longitude	122.915
Basis for Consideration of Listing	Data from Ecology ambient monitoring station BUD005 show no excursions beyond the criterion from monthly samples between 1991 and 1997.; Department of Health Prohibited Commercial Shellfish Area is based on policy (not water quality sampling); URS, 1985.; URS, 1986.; URS and Evans-Hamilton, 1986.		
Remarks	<p>TMDL submitted on 3/9/92... EPA determined that the TMDL was incomplete on 2/12/93. The older data used for past listings (1985-1986) do not represent current conditions and the segment should not be listed based on these data per the 8/97 judgement of Dept. of Ecology SWRO staff.</p> <p>Many areas are classified as "Prohibited" for commercial shellfish harvest by the Department of Health because of the proximity on a wastewater discharge, and not due to violations of the water quality standards. Without water quality data to show an actual impact, there is no basis for listing waters in these areas.</p>		

Water Name	BUDD INLET (INNER)		
Parameter	PAHs	Medium	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Johnson, A. 1985. , excursions beyond the criterion in sediment.		
Remarks	The confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) have not been applied to the cited data. As such, these stations are not in violation of the standards until this confirmatory designation process for site identification has been completed. This information should not be used for listing the segment based solely on samples that exceed the chemical criteria until the confirmed as sites according to the standards.		

Water Name	BUDD INLET (INNER)		
Parameter	Chrysene	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the Port of Olympia Log Export Terminal identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BUDD INLET (INNER)		
Parameter	Total PCBs	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the Port of Olympia Log Export Terminal identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station cluster was not identified as a site when the confirmatory designation procedures for site identification required by the Sediment Management Standards (WAC 173-204-310(2)) were applied. As such, these stations are not in violation of the standards and should not be listed.		

Water Name	BUDD INLET (INNER)		
Parameter	Benzo(b,k)fluoranthenes	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Station cluster of potential concern at the One Tree Island Marina identified 11/25/92 based on exceedance of cleanup screening levels in sediment.		
Remarks	The station of potential concern at One Tree Island Marina has been capped with clean sediment. According to Michelle Wilcox (Dept. of Ecology - 3/27/96), post cleanup monitoring is usually not conducted of capped sites. It is assumed that the site at One Tree Island Marina now meets sediment management standards due to the cleanup activity, but the segment is still listed due to the other site.		

Water Name	BUDD INLET (INNER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9G0
Range		Grid Latitude	47.065
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 2 excursions beyond the upper criterion out of 10 samples (20%) at station BI-3 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9G0
Range		Grid Latitude	47.065
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 9 excursions beyond the criterion out of 47 samples (19%) at station BI-3 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (INNER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 12 excursions beyond the criterion out of 49 samples (24%) at station BI-5 between 1992 and 1994.; Data collected by Ecology (summarized by Eisner and Newton, 1997) show 7 excursions beyond the criterion out of 44 samples (16%) at station BI-6 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (INNER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text"/> None
New Segment ID #	<input type="text"/> 390KRD	Old Segment ID #	<input type="text"/> WA-13-0030
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 13
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 47122A9F0
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 47.055
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 12 excursions beyond the criterion out of 48 samples (25%) at station BI-4 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (INNER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text"/> TMDL
New Segment ID #	<input type="text"/> 390KRD	Old Segment ID #	<input type="text"/> WA-13-0030
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 13
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 47122A8F9
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 47.055
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.895
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 7 excursions beyond the criterion out of 26 samples (27%) at station BI-1 between 1992 and 1994.		
Remarks	<input type="text"/>		

Water Name	BUDD INLET (INNER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8G9
Range		Grid Latitude	47.065
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 12 excursions beyond the criterion out of 48 samples (25%) at station BI-2 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (INNER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 7 excursions beyond the criterion out of 26 samples (27%) at station BI-1 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (INNER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8G9
Range		Grid Latitude	47.065
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 15 excursions beyond the criterion out of 48 samples (31%) at station BI-2 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Copper	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9G0
Range		Grid Latitude	47.065
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 10 excursions beyond the criterion out of 47 samples (21%) at station BI-3 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9H1
Range		Grid Latitude	47.075
Section		Grid Longitude	122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 2 excursions beyond the upper criterion out of 9 samples (22%) at station BA-2 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Mercury	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Cascade Pole site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9E0
Range		Grid Latitude	47.045
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 25 excursions beyond the criterion out of 49 samples (51%) at station BI-5 between 1992 and 1994.; Data collected by Ecology (summarized by Eisner and Newton, 1997) show 23 excursions beyond the criterion out of 44 samples (52%) at station BI-6 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Sediment Bioassay	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed Other Control
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Midwest site exceeds sediment bioassay standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 22 excursions beyond the criterion out of 48 samples (46%) at station BI-4 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Butylbenzyl phthalate	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Midwest site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Bis(2-ethylhexyl) phthalate	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Midwest site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	Total PCBs	Mediu	Sediment
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Midwest site exceeds sediment quality standards in 1996 Sediment Management Standards Site List.		
Remarks			

Water Name	BUDD INLET (INNER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0030
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8F9
Range		Grid Latitude	47.055
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 2 excursions beyond the upper criterion out of 10 samples (20%) at station BI-1 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	Total Nitrogen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9I1
Range		Grid Latitude	47.085
Section		Grid Longitude	122.915
Basis for Consideration of Listing	URS, 1985; URS, 1986; URS and Evans-Hamilton, 1986.		
Remarks	<p>Excessive productivity in the bay is controlled by nitrogen, which has an effect on the dissolved oxygen in the bay. There are no numeric the criterion in the water quality standards to evaluate for total nitrogen. . There is not any information on human-caused impacts to designated uses to support a listing based on the interpretation of the narrative water quality standards per the Water Quality Program Policy.</p> <p>TMDL submitted on 3/9/92; EPA determined that the TMDL was incomplete on 2/12/93.;</p> <p>The old data (1985-1986) do not represent current conditions and the segment should not be listed based on these data per the 8/97 judgement of Dept. of Ecology SWRO staff. Recent data collected by Evans-Hamilton verify that the significant upgrades to sewage treatment plants have improved the water quality.</p>		

Water Name	BUDD INLET (OUTER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B8B9
Range		Grid Latitude	47.115
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 3 excursions beyond the upper criterion out of 9 samples (33%) at station BD-1 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9I2
Range		Grid Latitude	47.085
Section		Grid Longitude	122.925
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 3 excursions beyond the upper criterion out of 9 samples (33%) at station BB-3 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9J1
Range		Grid Latitude	47.095
Section		Grid Longitude	122.915
Basis for Consideration of Listing	13 excursions beyond the criterion out of 60 samples (22%) at Ecology ambient monitoring station BUD005 between 9/91 and 9/96..		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 4/95 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="text"/> None
New Segment ID #	<input type="text"/> 390KRD	Old Segment ID #	<input type="text"/> WA-13-0020
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 13
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 47122A9J1
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 47.095
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.915
Basis for Consideration of Listing	4 excursions beyond the criterion out of 60 samples (7%) at Ecology ambient monitoring station BUD005 between 9/91 and 9/96..		
Remarks	The information does not meet the Water Quality Program policy for listing this segment for this parameter.		

Water Name	BUDD INLET (OUTER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text"/> TMDL
New Segment ID #	<input type="text"/> 390KRD	Old Segment ID #	<input type="text"/> WA-13-0020
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 13
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 47122A9I1
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 47.085
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 3 excursions beyond the upper criterion out of 11 samples (27%) at station BB-2 between 1992 and 1994.		
Remarks	<input type="text"/>		

Water Name	BUDD INLET (OUTER)		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9F0
Range		Grid Latitude	47.055
Section		Grid Longitude	122.905
Basis for Consideration of Listing	BUD002 show no excursions beyond the criterion from monthly samples between 1991 and 1997.; Department of Health Prohibited Commercial Shellfish Area is based on policy (not water quality sampling);		
Remarks	TMDL submitted on 3/9/92; EPA determined that the TMDL was incomplete on 2/12/93. Many areas are classified as "Prohibited" for commercial shellfish harvest by the Department of Health because of the proximity on a wastewater discharge, and not due to violations of the water quality standards. Without water quality data to show an actual impact, there is no basis for listing waters in these areas.		

Water Name	BUDD INLET (OUTER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9I0
Range		Grid Latitude	47.085
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 3 excursions beyond the upper criterion out of 10 samples (30%) at station BB-1 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9I1
Range		Grid Latitude	47.085
Section		Grid Longitude	122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 24 excursions beyond the criterion out of 49 samples (49%) at station BB-2 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9D0
Range		Grid Latitude	47.135
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 8 excursions beyond the criterion out of 23 samples (35%) at station BE-1 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9I0
Range		Grid Latitude	47.085
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 4 excursions beyond the criterion out of 24 samples (17%) at station BB-1 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9A1
Range		Grid Latitude	47.105
Section		Grid Longitude	122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 2 excursions beyond the upper criterion out of 8 samples (25%) at station BC-3 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9A0
Range		Grid Latitude	47.105
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 2 excursions beyond the upper criterion out of 7 samples (29%) at station BC-2 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9H1
Range		Grid Latitude	47.075
Section		Grid Longitude	122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 20 excursions beyond the criterion out of 47 samples (43%) at station BA-2 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9A0
Range		Grid Latitude	47.105
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 12 excursions beyond the criterion out of 30 samples (40%) at station BC-2 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9A0
Range		Grid Latitude	47.105
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 21 excursions beyond the criterion out of 30 samples (70%) at station BC-2 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text"/> None
New Segment ID #	<input type="text"/> 390KRD	Old Segment ID #	<input type="text"/> WA-13-0020
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 13
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 47122A8J9
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 47.095
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.895
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 17 excursions beyond the criterion out of 28 samples (61%) at station BC-1 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text"/> TMDL
New Segment ID #	<input type="text"/> 390KRD	Old Segment ID #	<input type="text"/> WA-13-0020
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 13
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 47122A9I1
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 47.085
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 19 excursions beyond the criterion out of 49 samples (39%) at station BB-2 between 1992 and 1994.		
Remarks	<input type="text"/>		

Water Name	BUDD INLET (OUTER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8J9
Range		Grid Latitude	47.095
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 9 excursions beyond the criterion out of 28 samples (32%) at station BC-1 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9A2
Range		Grid Latitude	47.105
Section		Grid Longitude	122.925
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 16 excursions beyond the criterion out of 28 samples (57%) at station BC-4 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9H1
Range		Grid Latitude	47.075
Section		Grid Longitude	122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 26 excursions beyond the criterion out of 47 samples (55%) at station BA-2 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9B2
Range		Grid Latitude	47.115
Section		Grid Longitude	122.925
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 10 excursions beyond the criterion out of 21 samples (48%) at station BD-3 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9I2
Range		Grid Latitude	47.085
Section		Grid Longitude	122.925
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 12 excursions beyond the criterion out of 23 samples (52%) at station BB-3 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9C2
Range		Grid Latitude	47.125
Section		Grid Longitude	122.925
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 10 excursions beyond the criterion out of 24 samples (42%) at station BE-3 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A8J9
Range		Grid Latitude	47.095
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 2 excursions beyond the upper criterion out of 7 samples (29%) at station BC-1 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9B1
Range		Grid Latitude	47.115
Section		Grid Longitude	122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 3 excursions beyond the upper criterion out of 10 samples (30%) at station BD-2 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9A1
Range		Grid Latitude	47.105
Section		Grid Longitude	122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 23 excursions beyond the criterion out of 45 samples (51%) at station BC-3 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B8B9
Range		Grid Latitude	47.115
Section		Grid Longitude	122.895
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 11 excursions beyond the criterion out of 22 samples (50%) at station BD-1 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9C1
Range		Grid Latitude	47.125
Section		Grid Longitude	122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 2 excursions beyond the upper criterion out of 9 samples (22%) at station BE-2 between 1992 and 1994.		
Remarks			

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9B1
Range		Grid Latitude	47.115
Section		Grid Longitude	122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 22 excursions beyond the criterion out of 45 samples (49%) at station BD-2 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text"/> None
New Segment ID #	<input type="text"/> 390KRD	Old Segment ID #	<input type="text"/> WA-13-0020
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 13
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 47122B9C1
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 47.125
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 18 excursions beyond the criterion out of 40 samples (45%) at station BE-2 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	BUDD INLET (OUTER)		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text"/> TMDL
New Segment ID #	<input type="text"/> 390KRD	Old Segment ID #	<input type="text"/> WA-13-0020
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 13
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 47122B9A1
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 47.105
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 12 excursions beyond the criterion out of 45 samples (27%) at station BC-3 between 1992 and 1994.		
Remarks	<input type="text"/>		

Water Name	BUDD INLET (OUTER)		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0020
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122A9I0
Range		Grid Latitude	47.085
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 13 excursions beyond the criterion out of 24 samples (54%) at station BB-1 between 1992 and 1994.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	CAPITOL (NORTH ARM) LAKE		
Parameter	Total Phosphorus	Mediu	Water
Place on 1998 List?	Yes	Listed in 1996	Yes
		Action Needed	TMDL
New Segment ID #	601ADB	Old Segment ID #	WA-13-9020
Stream Route #		Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	15	Grid Longitude	
Basis for Consideration of Listing	Completed Phase I State Clean Lakes Restoration Project in 1984 -Problems Encountered: Low dissolved oxygen, high turbidity, sedimentation, tributary nutrient inputs, fecal coliform bacteria.		
Remarks	<p>Water Segment Number 601ADB includes both the North Arm (Old ID # WA-13-9020) and the South Arm (Old ID # WA-13-9030).</p> <p>Completed Phase II State Clean Lakes Restoration Project in 1988: Control measures implemented based on the Phase I Study - sediment removal dredging, drawdown, hypolimnetic injection/withdrawal. Per EPA guidance, this lake cannot be excluded from the list under federal regulation 40 CFR130.7(b)(1)(iii) since there is no known trophic state monitoring occurring to assure the effectiveness of the controls.</p>		

Water Name	CAPITOL (NORTH ARM) LAKE		
Parameter	Fecal Coliform	Medium	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	601ADB	Old Segment ID #	WA-13-9020
Stream Route #	0	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	15	Grid Longitude	
Basis for Consideration of Listing	<p>Completed Phase I State Clean Lakes Restoration Project in 1984 -Problems Encountered: Low dissolved oxygen, high turbidity, sedimentation, tributary nutrient inputs, fecal coliform bacteria.</p> <p>Data collected by Brown and Caldwell (submitted by Matthew Davis on 9/17/97) show 4 excursions beyond the upper criterion collected between 1/97 and 3/97 at the dam.</p>		
Remarks	<p>Water Segment Number 601ADB includes both the North Arm (Old ID # WA-13-9020) and the South Arm (Old ID # WA-13-9030).</p> <p>Completed Phase II State Clean Lakes Restoration Project in 1988: Control measures implemented based on the Phase I Study - sediment removal dredging, drawdown, hypolimnetic injection/withdrawal. Per EPA guidance, this lake cannot be excluded from the list under federal regulation 40 CFR130.7(b)(1)(iii) since the known monitoring occurring shows the controls were not completely effective at meeting fecal coliform standards .</p>		

Water Name	CASE INLET AND DANA PASSAGE		
Parameter	Temperature	Medium	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-PS-0090
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B8G7
Range		Grid Latitude	47.165
Section		Grid Longitude	122.875
Basis for Consideration of Listing	<p>23 excursions beyond the criterion out of 57 samples (40%) at Ecology ambient monitoring station DNA001 between 9/91 and 9/96.</p>		
Remarks	<p>These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 6/97 judgement of Jan Newton (Dept. of Ecology)</p>		

Water Name	CASE INLET AND DANA PASSAGE		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	390KRD	Old Segment ID #	WA-PS-0090
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B8G7
Range		Grid Latitude	47.165
Section		Grid Longitude	122.875
Basis for Consideration of Listing	8 excursions beyond the criterion out of 57 samples (14%) at Ecology ambient monitoring station DNA001 between 9/91 and 9/96.		
Remarks	The excursions beyond the criterion at station DNA001 are a natural condition due to the influence of upwelled deep water based on the 11/95 judgement of Jan Newton (Dept. of Ecology).		

Water Name	DESCHUTES RIVER		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> None
New Segment ID #	ST93WM	Old Segment ID #	WA-13-1020
Stream Route #	0	Water Resource Inventory Area	13
Township	16N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	18	Grid Longitude	
Basis for Consideration of Listing	One excursion beyond the criterion at Ecology ambient monitoring station 13A150 (RM 21.61) in 4/85.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing.		

Water Name	DESCHUTES RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1010
Stream Route #	1.076	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	60	Grid Longitude	
Basis for Consideration of Listing	2 excursions beyond the criterion out of 24 samples (8%) at Ecology ambient monitoring station 13A060 (RM 0.6) between 9/91 and 9/96.;		
Remarks			

Water Name	DESCHUTES RIVER		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1010
Stream Route #	1.076	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	60	Grid Longitude	
Basis for Consideration of Listing	Two excursions beyond the criterion at Ecology ambient monitoring station 13A060 (RM 0.6) on 7/28/87 and 12/29/87.		
Remarks			

Water Name	DESCHUTES RIVER		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1010
Stream Route #	1.076	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	60	Grid Longitude	
Basis for Consideration of Listing	Six excursions beyond the criterion at Ecology ambient monitoring station 13A060 (RM 0.6) between 1986 and 1992.		
Remarks			

Water Name	DESCHUTES RIVER		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed Other Control
New Segment ID #	XL66UK	Old Segment ID #	WA-13-1010
Stream Route #	1.172	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	35	Grid Longitude	
Basis for Consideration of Listing	USGS flow data collected at RM 3.4 between 1990 and 1995 (submitted by Jeff Dickison on 2/27/96) are consistently below minimum flows established in WAC 173-513-030.;USGS and Thurston County flow data (submitted by Jeff Dickison on 2/27/96) show intensified peak flows likely due to silvicultural activities in the upper watershed (Thurston County, 1995). The following references document characteristic uses: Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show numbers of Coho salmon stock. Baranski, 1996 SASSI Update shows that Coho are reclassified to depressed.		
Remarks			

Water Name	DESCHUTES RIVER		
Parameter	Mercury	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="text"/> None
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1010
Stream Route #	1.076	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	60	Grid Longitude	
Basis for Consideration of Listing	Twelve excursions beyond the criterion at Ecology ambient monitoring station 13A060 (RM 0.6) between 1986 and 1990. (these data are likely unreliable due to high detection limits and qualified data per Dave Hallock memo dated 10/31/97).		
Remarks	The older data for which the segment was proposed are likely unreliable due to high detection limits or data qualifiers(per Dave Hallock memo dated 10/31/97).		

Water Name	DESCHUTES RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="text"/> TMDL
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1020
Stream Route #	58.221	Water Resource Inventory Area	13
Township	15N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	07	Grid Longitude	
Basis for Consideration of Listing	Sullivan et al. , 6 excursions beyond the criterion collected in 8/88 at site AF.;		
Remarks			

Water Name	DESCHUTES RIVER		
Parameter	Fine Sediment	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1020
Stream Route #	43.781	Water Resource Inventory Area	13
Township	16N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	30	Grid Longitude	
Basis for Consideration of Listing	<p>The following references document habitat alterations: Schuett-Hames and Flores, 1993. , fine sediment rated as "poor" according to the TFW watershed analysis manual threshold on reach 22 (RM 28.5) ; Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show fine sediment ranging from 15.5% to 22.5%. The following references document characteristic uses: Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show stock of Coho salmon. Baranski, 1996 SASSI Update shows that Coho are reclassified to depressed.</p> <p>The following references document human-caused contribution to habitat alterations :Toth, 1991.Thurston County, 1995.</p>		
Remarks	Proposed for listing for fine sediment on old segment WA-13-1010. The cited reference show only one stream reach at a "poor "condition which is on old segment WA-13-1020.		

Water Name	DESCHUTES RIVER		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed Other Control
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1020
Stream Route #	38.637	Water Resource Inventory Area	13
Township	16N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	22	Grid Longitude	
Basis for Consideration of Listing	<p>USGS and Thurston County flow data (submitted by Jeff Dickison on 2/27/96 and by Jim Albrecht on 10/31/97) show intensified peak flows and a lowering of the 7Q10 at the USGS gage near Rainier (RM 25.1) likely due to silvicultural activities in the upper watershed (Thurston County, 1995); Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show stock of Coho salmon. Baranski, 1996 SASSI Update shows that Coho are reclassified to depressed.</p>		
Remarks			

Water Name	DESCHUTES RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="checkbox"/> None
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1020
Stream Route #	40.188	Water Resource Inventory Area	13
Township	16N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	26	Grid Longitude	
Basis for Consideration of Listing	Davis, et al. 1993. , 1 excursion beyond the criterion on 7/30/91at RM 26.5.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	DESCHUTES RIVER		
Parameter	Large Woody Debris	Mediu	Habitat
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="checkbox"/> Other Control
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1020
Stream Route #	58.221	Water Resource Inventory Area	13
Township	15N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	07	Grid Longitude	
Basis for Consideration of Listing	<p>The following references document habitat alterations: Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show measured large woody debris is rated as 'poor' according to the TFW watershed analysis manual threshold on reach F2 (upstream of Huckleberry Creek). The following references document characteristic uses: Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show stock of Coho salmon. Baranski, 1996 SASSI Update shows that Coho are reclassified to depressed.</p> <p>The following references document human-caused contribution to habitat alterations: Thurston County, 1995.</p>		
Remarks	Proposed for listing for fine sediment on old segment WA-13-1010. However, the cited reference show only two stream reaches at a "poor" condition which is on old segment WA-13-1020.		

Water Name	DESCHUTES RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1010
Stream Route #	1.076	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	60	Grid Longitude	
Basis for Consideration of Listing	Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 25 excursions beyond the criterion at RM 2.5 during 1995.		
Remarks			

Water Name	DESCHUTES RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1010
Stream Route #	22.466	Water Resource Inventory Area	13
Township	17N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	33	Grid Longitude	
Basis for Consideration of Listing	Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 38 excursions beyond the criterion at RM 15.0 during 1995.		
Remarks			

Water Name	DESCHUTES RIVER		
Parameter	Large Woody Debris	Mediu	Habitat
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed Other Control
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1020
Stream Route #	60.987	Water Resource Inventory Area	13
Township	15N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	08	Grid Longitude	
Basis for Consideration of Listing	<p>The following references document habitat alterations: Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show measured large woody debris is rated as 'poor' according to the TFW watershed analysis manual threshold on reach F2 (upstream of Huckleberry Creek). The following references document characteristic uses: Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show stock of Coho salmon. Baranski, 1996 SASSI Update shows that Coho are reclassified to depressed.</p> <p>The following references document human-caused contribution to habitat alterations: Thurston County, 1995.</p>		
Remarks	Proposed for listing for fine sediment on old segment WA-13-1010. However, the cited reference show only two stream reaches at a "poor" condition which is on old segment WA-13-1020.		

Water Name	DESCHUTES RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	ST93WM	Old Segment ID #	WA-13-1020
Stream Route #	0	Water Resource Inventory Area	13
Township	16N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	18	Grid Longitude	
Basis for Consideration of Listing	Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 27 excursions beyond the criterion at RM 20.8 during 1995.		
Remarks			

Water Name	DESCHUTES RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1020
Stream Route #	43.781	Water Resource Inventory Area	13
Township	16N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	30	Grid Longitude	
Basis for Consideration of Listing	Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 32 excursions beyond the criterion at RM 28.5, during 1995.		
Remarks			

Water Name	DESCHUTES RIVER		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	ST93WM	Old Segment ID #	WA-13-1020
Stream Route #	0	Water Resource Inventory Area	13
Township	16N	Waterbody Grid #	
Range	01E	Grid Latitude	0
Section	18	Grid Longitude	0
Basis for Consideration of Listing	Two excursions beyond the criterion at Ecology ambient monitoring station 13A150 on 6/22/87 and 8/25/87.		
Remarks	These old data do not represent current conditions and the segment not be listed based on these data per the 8/97 judgement of Dept. of Ecology SWRO staff.		

Water Name	DESCHUTES RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1020
Stream Route #	49.861	Water Resource Inventory Area	13
Township	16N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	34	Grid Longitude	
Basis for Consideration of Listing	Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show 54 excursions beyond the criterion at RM 33.0 during 1995.		
Remarks			

Water Name	DESCHUTES RIVER		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	TM40PW	Old Segment ID #	WA-13-1020
Stream Route #	24.439	Water Resource Inventory Area	13
Township	16N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	03	Grid Longitude	
Basis for Consideration of Listing	Davis, et al. 1993. , 1 excursion beyond the criterion on 7/30/91at RM 16.25.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	DOBBS CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NO-ID	Old Segment ID #	WA-13-1400
Stream Route #	0	Water Resource Inventory Area	13
Township	19N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	28	Grid Longitude	
Basis for Consideration of Listing	15 excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.		
Remarks	There is no WASWIS ID for this segment. The stream drains to the east shore of Henderson Inlet.		

Water Name	DOBBS CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	NO-ID	Old Segment ID #	WA-13-1400
Stream Route #	0	Water Resource Inventory Area	13
Township	19N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	28	Grid Longitude	
Basis for Consideration of Listing	One excursion beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) on 8/16/94 off Puget Road.		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program Policy for listing. There is no WASWIS ID for this segment. The stream drains to the east shore of Henderson Inlet.		

Water Name	DOBBS CREEK		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NO-ID	Old Segment ID #	WA-13-1400
Stream Route #	0	Water Resource Inventory Area	13
Township	19N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	28	Grid Longitude	
Basis for Consideration of Listing	Three excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) on 2/26/93, 3/16/93 and 12/20/94.		
Remarks	There is no WASWIS ID for this segment. The stream drains to the east shore of Henderson Inlet.		

Water Name	HENDERSON INLET		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	390KRD	Old Segment ID #	WA-13-0010
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B8F3
Range		Grid Latitude	47.155
Section		Grid Longitude	122.835
Basis for Consideration of Listing	8 excursions beyond the criterion out of 19 samples (42%) at Ecology ambient monitoring station HND001 between 9/91 and 9/96..		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 6/97 judgement of Jan Newton (Dept. of Ecology).		

Water Name	HENDERSON INLET		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0010
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B8B2
Range		Grid Latitude	47.115
Section		Grid Longitude	122.825
Basis for Consideration of Listing	Department of Health Conditionally Approved Commercial Shellfish Area of Henderson Inlet based partially on data from station 5 that exceed the criterion (from the Annual Growing Area Review ending December 1996)..		
Remarks			

Water Name	HENDERSON INLET		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0010
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B8A2
Range		Grid Latitude	47.105
Section		Grid Longitude	122.825
Basis for Consideration of Listing	Department of Health Prohibited Commercial Shellfish Area of Henderson Inlet based partially on data from station 2 that exceed the criterion (from the Annual Growing Area Review ending December 1996)..		
Remarks			

Water Name	HENDERSON INLET		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0010
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B8F3
Range		Grid Latitude	47.155
Section		Grid Longitude	122.835
Basis for Consideration of Listing	2 excursions beyond the criterion out of 19 samples (11%) at Ecology ambient monitoring station HND001 between 9/91 and 9/96..		
Remarks			

Water Name	HENDERSON INLET		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-13-0010
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B8A2
Range		Grid Latitude	47.105
Section		Grid Longitude	122.825
Basis for Consideration of Listing	Department of Health Prohibited Commercial Shellfish Area of Henderson Inlet based partially on data from station 1 that exceed the criterion (from the Annual Growing Area Review ending December 1996)..		
Remarks			

Water Name	HUCKLEBERRY CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	RX35HU	Old Segment ID #	WA-13-1024
Stream Route #	1.575	Water Resource Inventory Area	13
Township	15N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	17	Grid Longitude	
Basis for Consideration of Listing	Caldwell, et al. 1991. , Numerous excursions beyond the criterions at 4 different locations during 1990.		
Remarks			

Water Name	HUCKLEBERRY CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed None
New Segment ID #	DN49VM	Old Segment ID #	WA-13-1024
Stream Route #	0.19	Water Resource Inventory Area	13
Township	15N	Waterbody Grid #	
Range	03E	Grid Latitude	
Section	17	Grid Longitude	
Basis for Consideration of Listing	Data collected by Thurston County in 1991 (submitted by Sue Davis on 2/29/96) show no excursions beyond the criterion at station T06 (mouth) on 12/18/90 and 2/26/91. Data collected by Thurston County (submitted by Sue Davis on 10/30/97) show extremely low levels, in which there are no violations of the water quality standards.		
Remarks	Proposed for listing based on "Twelve excursions beyond the criterion collected by Thurston County between 1992 and 1995." A review of the data submitted by Sue Davis on 2/29/96 did not include Huckleberry Creek Data. The segment was proposed for listing in error.		

Water Name	INDIAN CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	KX91JE	Old Segment ID #	WA-13-1300
Stream Route #	0	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	41	Grid Longitude	
Basis for Consideration of Listing	Data collected by Brown and Caldwell (submitted by Matthew Davis on 9/17/97) show numerous excursions beyond the upper criterion collected between 11/96 and 8/97 at the mouth..		
Remarks			

Water Name	INDIAN CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	KX91JE	Old Segment ID #	WA-13-1300
Stream Route #	2.632	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	18	Grid Longitude	
Basis for Consideration of Listing	Thirteen excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1993 and 1995 at Quince Ave.		
Remarks			

Water Name	LAWRENCE LAKE		
Parameter	Total Phosphorus	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	355SBF	Old Segment ID #	WA-13-9080
Stream Route #		Water Resource Inventory Area	13
Township	16N	Waterbody Grid #	
Range	02E	Grid Latitude	
Section	29	Grid Longitude	
Basis for Consideration of Listing	Completed Phase I State Clean Lakes Restoration Project in 1992 - Problems Encountered: Blue-green algae, hypolimnetic anoxia, aquatic macrophytes, low transparency, sediment phosphorus recycling. KCM, 1991.		
Remarks	Active Phase II State Clean Lakes Restoration Project: Control measures implemented based on the Phase I Study - development of plans and specifications for sediment removal/dredging, watershed nutrient management (septic system management), public education. Implementation of dredging plans will be required to be completed by April 1996 under the condition of the grant. Monitoring is being conducted under Ecology's Lake Water Quality Assessment Program. The above information meets EPA guidance for excluding the lake from the list under federal regulation 40 CFR130.7(b)(1)(iii).		

Water Name	LONG LAKE		
Parameter	Total Phosphorus	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	473ADP	Old Segment ID #	WA-13-9085
Stream Route #		Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	22	Grid Longitude	
Basis for Consideration of Listing	Completed Phase I Federal Clean Lakes Restoration Project in 1982- Problems Encountered: Blue-green algae, low transparency, aquatic macrophytes, sediment phosphorus recycling.		
Remarks	Completed Federal Clean Lakes Restoration Project in 1987:Entranco Engineer's, 1987. Control measures implemented - phosphorus precipitation/inactivation, aquatic macrophyte harvesting, public education. Welch and Cooke, 1995 = monitored effectiveness of control measures showed a 14 ug/l increase in whole-lake total phosphorus 8 years after implementation. A phosphorus control plan is in place that has been adopted by Thurston County on 1/3/95. An active Lake Management District with funding for the phosphorus control plan under Thurston County Ordinance Number 11000 adopted 9/5/95. Thurston County conducts a routine monitoring program on the lake phosphorus levels. This lake meets EPA requirements for exclusion from the list under federal regulation 40 CFR130.7(b)(1)(iii).		

Water Name	McLANE CREEK		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	SD15AI	Old Segment ID #	WA-13-1100
Stream Route #	0.792	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	03W	Grid Latitude	
Section	24	Grid Longitude	
Basis for Consideration of Listing	Seiders and Cusimano, 1996. , 7 excursions beyond the criteria out of 19 samples (37%) from 1992 to 1996.		
Remarks			

Water Name	MISSION CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NO-ID	Old Segment ID #	WA-13-1380
Stream Route #	0	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	11	Grid Longitude	
Basis for Consideration of Listing	Fourteen excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995 at East Bay Drive (near mouth).		
Remarks	There is no WASWIS ID for this segment. The stream drains to the east shore of Budd Inlet near Ellis Cove.		

Water Name	MOXLIE CREEK		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text"/> None
New Segment ID #	HN77NY	Old Segment ID #	WA-13-1350
Stream Route #	10.747	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	27	Grid Longitude	
Basis for Consideration of Listing	Data collected by Thurston County (submitted by Sue Davis on 3/28/96) show 1 excursion beyond the lower criterion at Plum Street and Henderson Blvd on 1/26/93.;		
Remarks	A single excursion beyond the criterion does not meet the Water Quality Program policy for listing.		

Water Name	MOXLIE CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text"/> TMDL
New Segment ID #	HN77NY	Old Segment ID #	WA-13-1350
Stream Route #	10.747	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	27	Grid Longitude	
Basis for Consideration of Listing	<p>Data collected by Thurston County (submitted by Sue Davis on 10/30/97) show 5 excursions beyond the upper criterion at Plum Street and Henderson Blvd between 1994 and 1996.;</p> <p>Data collected by Thurston County (submitted by Sue Davis on 3/28/96) show 5 excursions beyond the upper criterion at Plum Street and Henderson Blvd between 1992 and 1993.;</p>		
Remarks			

Water Name	NISQUALLY REACH/DRAYTON PASSAGE		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text"/> None
New Segment ID #	<input type="text"/> 390KRD	Old Segment ID #	<input type="text"/> WA-PS-0290
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 13
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 47122B7G9
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 47.165
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.795
Basis for Consideration of Listing	4 excursions beyond the criterion at Ecology ambient monitoring station NSQ002 during 1985.		
Remarks	These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 6/97 judgement of Jan Newton (Dept. of Ecology)		

Water Name	NISQUALLY REACH/DRAYTON PASSAGE		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed <input type="text"/> TMDL
New Segment ID #	<input type="text"/> 390KRD	Old Segment ID #	<input type="text"/> WA-PS-0290
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 13
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 47122B7C6
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 47.125
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.765
Basis for Consideration of Listing	Department of Health Conditionally Approved Commercial Shellfish Area west of the Nisqually River based partially on data from station 34 that exceed the criterion (from the Annual Growing Area Review ending December 1996).		
Remarks	<input type="text"/>		

Water Name	NISQUALLY REACH/DRAYTON PASSAGE		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-PS-0290
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B7A2
Range		Grid Latitude	47.105
Section		Grid Longitude	122.725
Basis for Consideration of Listing	Department of Health Conditionally Approved Commercial Shellfish Area west of the Nisqually River based partially on data from station 17 that exceed the criterion (from the Annual Growing Area Review ending December 1996).		
Remarks			

Water Name	PATTERSON (NORTH ARM) LAKE		
Parameter	Total Phosphorus	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	326JXW	Old Segment ID #	WA-13-9120
Stream Route #		Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	34	Grid Longitude	
Basis for Consideration of Listing	Completed Phase I Federal Clean Lakes Restoration Project in 1982- Problems Encountered: Blue-green algae, low transparency, aquatic macrophytes, sediment phosphorus recycling.		
Remarks	Completed Federal Clean Lakes Restoration Project in 1987: Entranco Engineer's, 1987. Control Measures Implemented - Phosphorus precipitation/inactivation, aquatic macrophyte harvesting, public education. Monitoring is being conducted under Ecology's Lake Water Quality Assessment Program and Thurston County. Welch and Cooke (1995) monitored the effectiveness of the control and showed only a 1 ug/L increase in whole-lake phosphorus 7 years after implementation. The above information meets EPA guidance for excluding the lake from the list under federal regulation 40 CFR130.7(b)(1)(iii).		

Water Name	PATTERSON (SOUTH ARM) LAKE		
Parameter	Total Phosphorus	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	460TBQ	Old Segment ID #	WA-13-9130
Stream Route #		Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	35	Grid Longitude	
Basis for Consideration of Listing	Completed Phase I Federal Clean Lakes Restoration Project in 1982- Problems Encountered: Blue-green algae, low transparency, aquatic macrophytes, sediment phosphorus recycling.		
Remarks	Completed Federal Clean Lakes Restoration Project in 1987: Entranco Engineer's, 1987. Control Measures Implemented - Phosphorus precipitation/inactivation, aquatic macrophyte harvesting, public education. Monitoring is being conducted under Ecology's Lake Water Quality Assessment Program and Thurston County. Welch and Cooke (1995) monitored the effectiveness of the control and showed only a 1 ug/L increase in whole-lake phosphorus 7 years after implementation. The above information meets EPA guidance for excluding the lake from the list under federal regulation 40 CFR 130.7(b)(1)(iii).		

Water Name	RIECHEL CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	Yes	Listed in 1996	Yes
		Action Needed	TMDL
New Segment ID #	PN14TO	Old Segment ID #	WA-13-1022
Stream Route #	0	Water Resource Inventory Area	13
Township	16N	Waterbody Grid #	
Range	01E	Grid Latitude	
Section	27	Grid Longitude	
Basis for Consideration of Listing	Seven excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.		
Remarks			

Water Name	SLEEPY (LIBBEY) CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NO-ID	Old Segment ID #	WA-13-1700
Stream Route #	0	Water Resource Inventory Area	13
Township	19N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	18	Grid Longitude	
Basis for Consideration of Listing	Five excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.		
Remarks	There is no WASWIS ID for this segment. The stream drains to the west shore of Henderson Inlet into Chapman Cove.		

Water Name	SLEEPY (LIBBEY) CREEK		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NO-ID	Old Segment ID #	WA-13-1700
Stream Route #	0	Water Resource Inventory Area	13
Township	19N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	18	Grid Longitude	
Basis for Consideration of Listing	Six excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.		
Remarks	There is no WASWIS ID for this segment. The stream drains to the west shore of Henderson Inlet into Chapman Cove.		

Water Name	SLEEPY (LIBBEY) CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	NO-ID	Old Segment ID #	WA-13-1700
Stream Route #	0	Water Resource Inventory Area	13
Township	19N	Waterbody Grid #	
Range	02W	Grid Latitude	
Section	18	Grid Longitude	
Basis for Consideration of Listing	Eleven excursions beyond the criterion collected by Thurston County (submitted by Sue Davis on 3/28/96) between 1992 and 1995.		
Remarks	There is no WASWIS ID for this segment. The stream drains to the west shore of Henderson Inlet into Chapman Cove.		

Water Name	SQUAXIN, PEALE, AND PICKERING PASSAGES		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-14-0010
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9E2
Range		Grid Latitude	47.145
Section		Grid Longitude	122.925
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 2 excursions beyond the criterion out of 10 samples (20%) at station BF-3 between 1992 and 1994.		
Remarks	The old segment number identifies this segment in the wrong WRIA.		

Water Name	SQUAXIN, PEALE, AND PICKERING PASSAGES		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> No Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-14-0010
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9E1
Range		Grid Latitude	47.145
Section		Grid Longitude	122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 3 excursions beyond the criterion out of 13 samples (23%) at station BF-2 between 1992 and 1994.		
Remarks	The old segment number identifies this segment in the wrong WRIA.		

Water Name	SQUAXIN, PEALE, AND PICKERING PASSAGES		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	390KRD	Old Segment ID #	WA-14-0010
Stream Route #	0	Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B8G7
Range		Grid Latitude	47.165
Section		Grid Longitude	122.875
Basis for Consideration of Listing	Two excursions beyond the criterion at Ecology ambient monitoring station DNA001 on 5/6/91 and 8/10/92.		
Remarks			

Water Name	SQUAXIN, PEALE, AND PICKERING PASSAGES		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-14-0010
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B8F8
Range		Grid Latitude	47.165
Section		Grid Longitude	122.885
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 2 excursions beyond the criterion out of 4 samples (50%) at station BG-1 between 1992 and 1994.		
Remarks	The old segment number identifies this segment in the wrong WRIA. These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	SQUAXIN, PEALE, AND PICKERING PASSAGES		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-14-0010
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9E1
Range		Grid Latitude	47.145
Section		Grid Longitude	122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 7 excursions beyond the criterion out of 13 samples (54%) at station BF-2 between 1992 and 1994.		
Remarks	The old segment number identifies this segment in the wrong WRIA. These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	SQUAXIN, PEALE, AND PICKERING PASSAGES		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-14-0010
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9E2
Range		Grid Latitude	47.145
Section		Grid Longitude	122.925
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 6 excursions beyond the criterion out of 10 samples (60%) at station BF-3 between 1992 and 1994.		
Remarks	The old segment number identifies this segment in the wrong WRIA. These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	SQUAXIN, PEALE, AND PICKERING PASSAGES		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	No	Listed in 1996	No
		Action Needed	None
New Segment ID #	390KRD	Old Segment ID #	WA-14-0010
Stream Route #		Water Resource Inventory Area	13
Township		Waterbody Grid #	47122B9E0
Range		Grid Latitude	47.145
Section		Grid Longitude	122.905
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 6 excursions beyond the criterion out of 10 samples (60%) at station BF-1 between 1992 and 1994.		
Remarks	The old segment number identifies this segment in the wrong WRIA. These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	SQUAXIN, PEALE, AND PICKERING PASSAGES		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> No Action Needed <input type="text"/> None
New Segment ID #	<input type="text"/> 390KRD	Old Segment ID #	<input type="text"/> WA-14-0010
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 13
Township	<input type="text"/>	Waterbody Grid #	<input type="text"/> 47122B9F1
Range	<input type="text"/>	Grid Latitude	<input type="text"/> 47.155
Section	<input type="text"/>	Grid Longitude	<input type="text"/> 122.915
Basis for Consideration of Listing	Data collected by Ecology (summarized by Eisner and Newton, 1997) show 4 excursions beyond the criterion out of 5 samples (80%) at station BG-2 between 1992 and 1994.		
Remarks	The old segment number identifies this segment in the wrong WRIA. These excursions beyond the criterion are a natural condition with no direct human caused influence due to solar heating of the surface water based on the 1/98 judgement of Jan Newton (Dept. of Ecology).		

Water Name	WARD LAKE		
Parameter	PCB-1260	Mediu	Tissue
Place on 1998 List?	<input checked="" type="checkbox"/> Yes	Listed in 1996	<input checked="" type="checkbox"/> Yes Action Needed <input type="text"/> TMDL
New Segment ID #	<input type="text"/> 729WNB	Old Segment ID #	<input type="text"/> WA-13-9200
Stream Route #	<input type="text"/>	Water Resource Inventory Area	<input type="text"/> 13
Township	<input type="text"/> 18N	Waterbody Grid #	<input type="text"/>
Range	<input type="text"/> 02W	Grid Latitude	<input type="text"/>
Section	<input type="text"/> 36	Grid Longitude	<input type="text"/>
Basis for Consideration of Listing	Serdar, et al. 1994., excursions beyond the criterion in edible fish tissue.		
Remarks	<input type="text"/>		

Water Name	WOODARD CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	MJ83ZH	Old Segment ID #	WA-13-1600
Stream Route #	0	Water Resource Inventory Area	13
Township	19N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	19	Grid Longitude	
Basis for Consideration of Listing	Eight excursions beyond criteria collected at the mouth by Thurston County Environmental Health (submitted by Sue Davis on 2/29/96) during 1993 and 1994.		
Remarks			

Water Name	WOODARD CREEK		
Parameter	pH	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	MJ83ZH	Old Segment ID #	WA-13-1600
Stream Route #	0	Water Resource Inventory Area	13
Township	19N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	19	Grid Longitude	
Basis for Consideration of Listing	Four excursions beyond criteria collected by Thurston County Environmental Health (submitted by Sue Davis on 2/29/96) on 2/16/93, 3/16/93/, 12/9/93 and 1/10/94.		
Remarks			

Water Name	WOODARD CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	MJ83ZH	Old Segment ID #	WA-13-1600
Stream Route #	0	Water Resource Inventory Area	13
Township	19N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	19	Grid Longitude	
Basis for Consideration of Listing	Two excursions beyond criteria collected by Thurston County Environmental Health (submitted by Sue Davis on 2/29/96) on 8/3/93 and 8/16/94.		
Remarks			

Water Name	WOODLAND CREEK		
Parameter	Temperature	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	JH31LN	Old Segment ID #	WA-13-1500
Stream Route #	6.044	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	16	Grid Longitude	
Basis for Consideration of Listing	Patterson and Dickes, 1993. 7 excursions beyond the upper criterion out of 25 samples (28%) at RM 4.2 between 1991 and 1993.;		
Remarks			

Water Name	WOODLAND CREEK		
Parameter	Fecal Coliform	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	JH31LN	Old Segment ID #	WA-13-1500
Stream Route #	6.044	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	16	Grid Longitude	
Basis for Consideration of Listing	Patterson and Dickes, 1993. 3 excursions beyond the upper criterion at RM 4.2 between 1991 and 1993.; Patterson and Dickes, 1993. 5 excursions beyond the upper criterion at RM 3.8 between 1991 and 1993.; Patterson and Dickes, 1993. 3 excursions beyond the upper criterion at RM 3.7 between 1991 and 1993.; Dickes and Reed, 1992 . 2 excursions beyond the upper criterion at RM 4.2 during 1991 and 1992.; Dickes and Reed, 1992 . 3 excursions beyond the upper criterion at RM 3.8 during 1991 and 1992.		
Remarks			

Water Name	WOODLAND CREEK		
Parameter	Turbidity	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> No	Listed in 1996	<input type="checkbox"/> Yes Action Needed None
New Segment ID #	JH31LN	Old Segment ID #	WA-13-1500
Stream Route #	6.044	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	16	Grid Longitude	
Basis for Consideration of Listing	Patterson and Dickes, 1993. All sites met the criterion for turbidity		
Remarks	The stream was proposed for listing for turbidity in error. The cited study found no violations of the turbidity standard.		

Water Name	WOODLAND CREEK		
Parameter	Instream Flow	Mediu	Habitat
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed Other Control
New Segment ID #	JH31LN	Old Segment ID #	WA-13-1500
Stream Route #	0.034	Water Resource Inventory Area	13
Township	19N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	33	Grid Longitude	
Basis for Consideration of Listing	USGS and Thurston County flow data (submitted by Jeff Dickison on 2/27/96) show intensified peak flows likely due to the storm water effect of suburban development. Squaxin Island Tribal data (submitted by Jeff Dickison on 2/27/96) show significant decline in stock of Coho salmon since 1987.		
Remarks			

Water Name	WOODLAND CREEK		
Parameter	Dissolved Oxygen	Mediu	Water
Place on 1998 List?	<input type="checkbox"/> Yes	Listed in 1996	<input type="checkbox"/> Yes Action Needed TMDL
New Segment ID #	JH31LN	Old Segment ID #	WA-13-1500
Stream Route #	6.044	Water Resource Inventory Area	13
Township	18N	Waterbody Grid #	
Range	01W	Grid Latitude	
Section	16	Grid Longitude	
Basis for Consideration of Listing	Patterson and Dickes, 1993. 11 excursions beyond the upper criterion out of 30 samples (37%) at RM 4.2 between 1991 and 1993.;		
Remarks			